

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/000642

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl<sup>7</sup> H01L25/04, 25/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl<sup>7</sup> H01L25/00-25/18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)



## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2003-218315 A (Denso Corp.), 31 July, 2003 (31.07.03), Par. Nos. [0019] to [0037]; Fig. 1 (Family: none)	1-11
A	JP 4-25046 A (NEC Corp.), 28 January, 1992 (28.01.92), Page 2, lower left column, line 13 to lower right column, line 9; Fig. 2 (Family: none)	1-11
A	JP 11-135712 A (NEC Kyushu Co., Ltd.), 21 May, 1999 (21.05.99), Par. Nos. [0020] to [0036]; Figs. 1 to 4 (Family: none)	1-11

Further documents are listed in the continuation of Box C.

See patent family annex.

<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>
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Date of the actual completion of the international search  
11 April, 2005 (11.04.05)

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26 April, 2005 (26.04.05)

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